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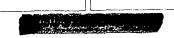
CONDITIONAL APPROVAL OF THE REVISED SOUTH PLUME WORK PLAN

09/18/91

USEPA/DOE-FO
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LETTER
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS   60604

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SEP 1 8 1991

REPLY TO ATTENTION OF:

Mr. Jack R. Craig   5HR-12
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

RE: Conditonal Approval of the
     Revised South Plume Work Plan

Dear Mr. Craig:

The United States Environmental Protection Agency (U.S. EPA) has completed its

review of the Revised Work Plan for the South Groundwater Contamination Plume

Removal Action - Part 5.

U.S. EPA hereby approves the Work Plan pending incorporation of the enclosed

comments.

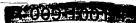Please contact me at (312/FTS) 886-0992 if you have any questions.

Sincerely,

James A. Saric
Remedial Project Manager

Enclosure

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cc: Graham Mitchell, OEPA-SWDO
       Pat Whitfield, U.S. DOE-HDQ

U.S. EPA COMMENTS ON THE REVISED WORKPLAN FOR THE SOUTH GROUNDWATER CONTAMINATION PLUME REMOVAL ACTION - PART 5

*   U.S. EPA is concerned with U.S. DOE's procedure for the collection of soil gas samples. Several publised articles have demonstrated that adequate "purging" of the soil gas probe after it is implaced in the soil and prior to collecting the sample is essential in obtaining representative and comparable samples. Therefore, U.S. DOE should include a discussion on how they intend to purge the soil gas probe and document that representative and comparable samples are being collected. This is commonly done by recording the concentration of volatile organic compounds (VOC) present in the soil gas at regular intervals during the purging of the soil gas probe. Once a relatively steady state condition is observed, the VOC concentration in the soil gas is recorded.

*   Soil gas probes should be decontaminated between sampling locations by high pressure steam cleaning.